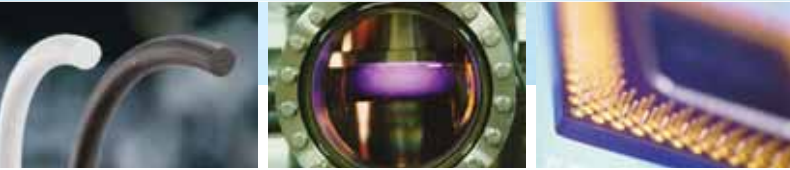


# Isolast<sup>®</sup> Fab Range<sup>™</sup> J9630



**Superior sealing  
for aggressive plasma applications**



**Your Partner for Sealing Technology**

## Isolast<sup>®</sup> Fab Range<sup>™</sup> J9630

The Isolast<sup>®</sup> Fab Range<sup>™</sup> offers high specification sealing compounds, exclusively formulated for the semiconductor industry. The special formulations help reduce downtime and improve production efficiency by extending seal life. These high-performance perfluoro-elastomers are virtually inert and demonstrate almost universal chemical compatibility, giving real benefits and cost advantages in semiconductor applications.

Isolast<sup>®</sup> J9630 is capable of operating at continuous temperatures up to 260°C / 500°F, and has been specifically compounded for mid-temperature plasma applications in wafer processing. Minimal particulation and extremely low outgassing means that industry requirements for seals needing to exhibit ultra-high purity, cleanliness, reliability and long life can be met.

## Features:

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- Resistance to aggressive plasmas and particulation
- Resistance to semiconductor dry process gasses
- Minimal outgassing and weight loss
- Continuous service temperatures up to 260°C / 500°F
- Clean and contaminant-free sealing surfaces
- Manufactured and packaged in Class 100 cleanroom conditions
- Available as standard and non-standard O-Rings, custom-molded designs and bonded products

## Applications:

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Isolast<sup>®</sup> J9630 is recommended for use at continuous operating temperatures up to 260°C / 500 deg F in:

- Dry plasma etch
- Oxidation
- Chemical Vapor Deposition (CVD)
- Plasma ashing
- Diffusion
- Metalization

# Isolast® Fab Range™

## J9630 Compound Data

<b>Compound No.:</b>		<b>J9630</b>		
<b>Elastomer base:</b>	DIN ISO 1629	<b>FFKM Ultra Pure</b>		
<b>Hardness:</b>	DIN 53 505	<b>85 +/- 5 Shore A</b>		
<b>Color:</b>		<b>white</b>		
<b>Specific gravity:</b>		DIN 53 479	g/cm <sup>3</sup>	2.57 ± 0.03
<b>Tensile strength:</b>		DIN 53 504	MPa N/mm <sup>2</sup> / psi	12 / 1,741
<b>Elongation at break:</b>		DIN 53 504	%	223
<b>Compression set:</b>	72 h / 200 °C / 392 °F	DIN ISO 815 Typ B	%	30
<b>Service temperature:</b>		DIN ISO 1629	°C / °F	-15 / +260 +5° / +500°

Material properties are average values resulting from tests, as specified, on standard test samples. The values are for guidance only. It is the responsibility of the user to test material for suitability within a specific application. Information is correct at time of publication.

### Trelleborg Sealing Solutions offers to the semiconductor industry:

- Quality levels to ISO 9001-2000 including 100% inspection and zero defects
- Wash and pack to class 100 standards
- Leading-edge in-house polymer development test capability
- Sealing solutions using our extensive design facilities, including material specific non-linear Finite Element Analysis (FEA)
- Comprehensive technical support and after-sales service through the global Trelleborg Sealing Solutions network

[www.tss.trelleborg.com](http://www.tss.trelleborg.com)

